

1998 VITAL STATISTICS REPORT

MEMPHIS AND SHELBY COUNTY, TENNESSEE



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VITAL RECORDS OFFICE
GLENN D. FOUSE, MANAGER/LOCAL REGISTRAR**

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The Memphis and Shelby County Health Department Vital Records Office maintains records of births and deaths that occur in Memphis and Shelby County, Tennessee. The office issues certified copies of these records to the public and conducts statistical analyses based on these records to evaluate changing trends in the health status of residents.

In the year 1998, 41,000 customers were served by the Vital Records Office. During this period, 49,164 birth certificates were issued and 56,544 death certificates were issued, for a total of 105,708 certificates issued. In addition this office interacts with health care professionals, researchers, funeral home directors, and other governmental agencies on a daily basis for the purpose of providing statistical data and verifying completeness of records.

The primary function of the Vital Records Office is to obtain and preserve documentary evidence concerning births and deaths that is necessary to protect the legal rights of individuals. Birth certificates are necessary to enroll in school, apply for a driver's or marriage license, to secure a passport or travel visa, to participate in many athletic programs and to apply for social security and other public program benefits. Death certificates are necessary for many critical legal functions, including burial procedures and the processing of insurance benefits, estate settlement, transfer of stocks, bonds, personal property and real estate. For these reasons there is a continuous demand for certified copies of birth and death certificates.

A second primary function of the vital records registration system is to provide central storage area for essential information necessary for community health assessment. Statistical summaries of birth data provide valuable information related to the reproductive health of a community. Mortality summaries provide important methods for evaluating the general health of a community, and for identifying specific patterns of excess risk over time or within specific geographic locations which may suggest the need for special health intervention measures.

Again this year the Memphis and Shelby County Health Department has included selected **Healthy People 2000** objectives and a statement of Shelby County's health status indicator for each of those specific objectives. **Healthy People 2000** is an initiative of the U.S. Public Health Service and represents the work of 1,000 individuals and 300 national organizations and state health department including the Institute of Medicine. **Healthy People 2000** establishes national goals and strategies for disease prevention and health promotion that can serve as benchmarks against which communities can measure their health.

1998 HIGHLIGHTS

County Mid-Year Population - 868,825

Resident Live Births - 14,862

Birth Rate - 17.1

Resident Deaths - 7,610

Death Rate - 8.8

Out of Wedlock Births - 7,811 (52.6%)

Low Birth Weight (Prematurity) - 1,578 (10.6%)

Infants Deaths - 198 (13.3 infant mortality rate)

AREA DEMOGRAPHICS

Shelby County is the largest county in Tennessee, both geographically (772 square miles) and in population (868,825 residents). Shelby County is located in the southwest extreme of the state and contains the City of Memphis, the largest city in the state of Tennessee and in the Mid-South.

POPULATION

The estimated population for Shelby County is 868,825. There are 461,510 (53.1%) white residents and 407,315 (46.9%) nonwhite residents. There are 409,809 (47.2%) male residents and 459,016 (52.8%) female residents.

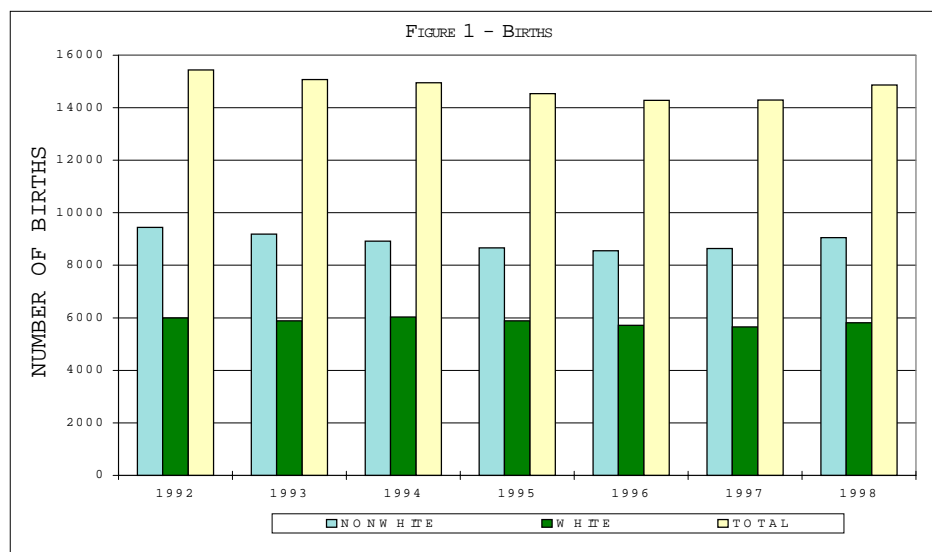
POPULATION OF MEMPHIS AND SHELBY COUNTY BY AGE AND SEX

Population estimates for the State of Tennessee, based on final census counts for 1990, prepared by the Division of Assessment and Planning, Tennessee Department of Health.
Revised: March 19, 1998

AGE	TOTAL	WHITE	NONWHITE	WHITE MALE	WHITE FEMALE	NONWHITE MALE	NONWHITE FEMALE
0-4	72,147	29,761	42,386	15,178	14,583	21,609	20,777
5-9	71,176	29,763	41,413	15,123	14,640	21,074	20,339
10-14	66,071	28,692	37,379	14,653	14,039	19,041	18,338
15-19	64,562	30,836	33,726	16,822	14,014	17,184	16,542
20-24	62,327	31,096	31,231	15,946	15,150	14,951	16,280
25-29	65,178	33,326	31,852	16,557	16,769	14,768	17,084
30-34	64,011	33,942	30,069	16,917	17,025	13,389	16,680
35-39	68,207	37,957	30,250	18,871	19,086	12,842	17,408
40-44	68,214	38,741	29,473	19,004	19,737	12,295	17,178
45-49	60,082	35,049	25,033	17,394	17,655	10,456	14,577
50-54	50,018	30,914	19,104	15,165	15,749	8,054	11,050
55-59	36,267	23,234	13,033	11,228	12,006	5,285	7,748
60-64	29,385	18,501	10,884	8,403	10,098	4,210	6,674
65-69	26,402	16,910	9,492	7,277	9,633	3,618	5,874
70-74	23,013	15,151	7,862	6,214	8,937	2,823	5,039
75-79	19,236	12,820	6,416	4,650	8,170	2,302	4,114
80-84	12,201	8,097	4,104	2,596	5,501	1,367	2,747
85+	10,328	6,720	3,608	1,503	5,217	1,050	2,558
	868,825	461,510 (53.1%)	407,315 (46.9%)	223,501 (25.7%)	238,009 (27.4%)	186,308 (21.4%)	221,007 (25.4%)

LIVE BIRTHS

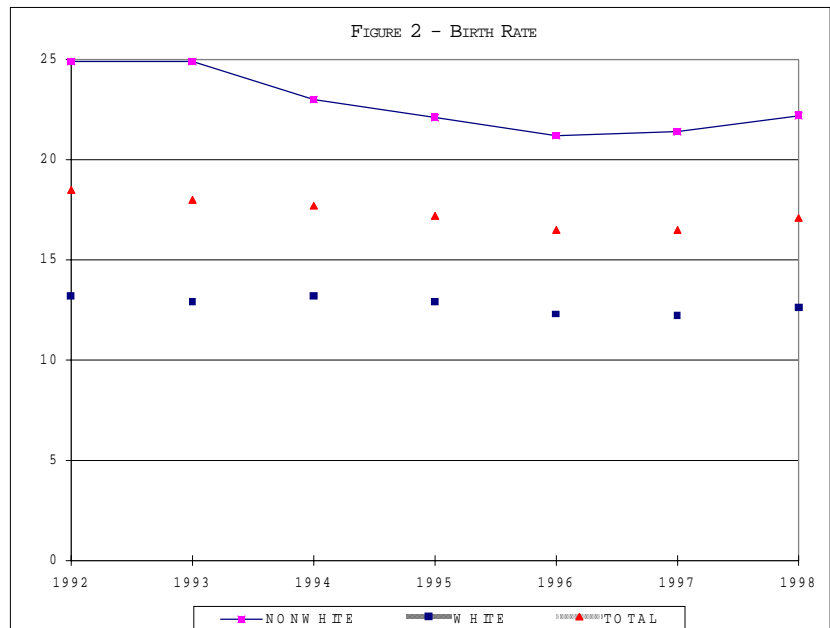
Shelby County resident live births (figure 1) totaled 14,862 in 1998 (14,288 in 1997). This is an increase of 574 births (approximately 4.0%). This resulted in a community



birth rate (figure 2) of 17.1. Resident white births totaled 5,808 resulting in a birth rate of 12.6. Resident nonwhite births totaled 9,054 resulting in a birth rate of 22.2. The number of births recorded in 1998 including nonresidents was 18,332.

LIVE BIRTHS (continued)

Figure 1 and 2 show the number of resident live births and the birth rates for the past seven years. These charts clearly show a decrease in births from 15,436 in 1992 to 14,862 in 1998, a drop of approximately 9%. Birth rates in nonwhite and white populations show similar trends; although the trend is generally described as downward, there was a slight increase in births from 1997 to 1998.



PRENATAL CARE

In 1998, Shelby County mothers averaged 11.54 prenatal visits per live birth (11.59 visits in 1997). This is a decrease of 0.05 prenatal visits per live birth.

White mothers averaged 12.37 prenatal visits (12.25 visits in 1997). Nonwhite mothers averaged 10.83 prenatal visits (11.01 visits in 1997). No prenatal care was received by 71 white mothers (1.2%) and 126 nonwhite mothers (1.4%) in 1998.

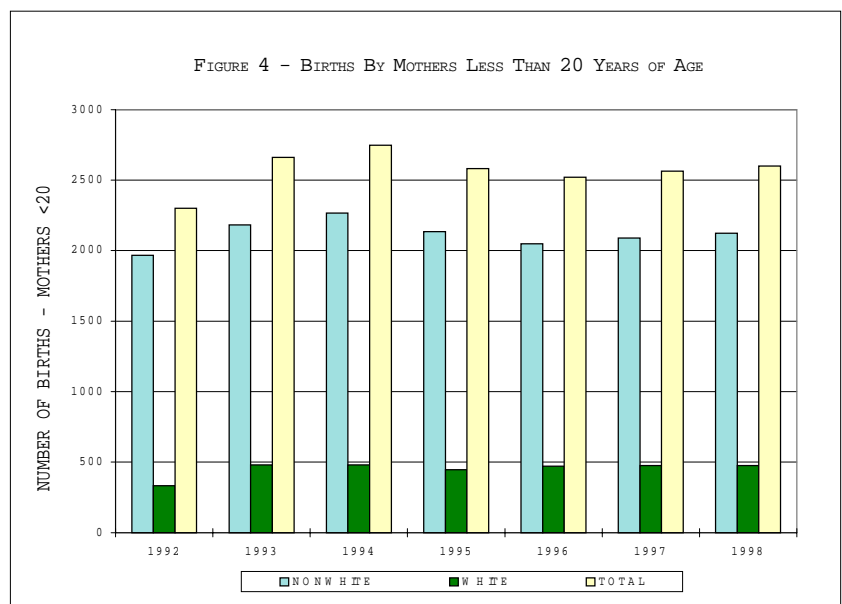
FIGURE 3- BIRTHS BY MATERNAL AGE GROUP

AGE	15	15-19	20-24	25-29	30-34	35-39	40-44	45+
BIRTHS	84	2,515	4,120	3,919	2,685	1,316	226	6

BIRTHS TO MOTHERS LESS THAN AGE 20

Babies born to mothers who were less than age 20 in 1998 totaled 2,599 (2,564 in 1997). This is an increase of 35 births (approximately 1.3%). Babies born to white mothers less than age 20 totaled 475 and represent 18.3% of these births. Babies born to nonwhite mothers less than age 20 totaled 2,124 and represent 81.7% of these births.

The number of births to mothers less than age 20 is shown in figures 4 & 5. The number of births to mothers



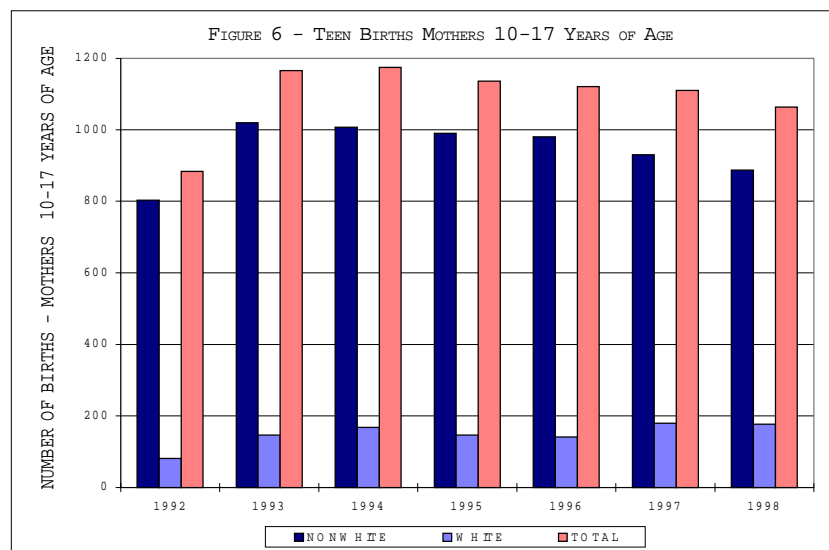
BIRTHS MOTHERS LESS THAN AGE 20 (continued)

less than 20 peaked in 1994 with 2,748. The number of births in this age group decreased in 1995 and 96; however, slight increases were seen in 1997 and 98.

FIGURE 5 - TEEN BIRTHS BY RACE AND AGE			
AGE	WHITE	NONWHITE	TOTAL
10-14	9	75	84
15-17	168	812	980
18-19	298	1,237	1,535
TOTAL	475	2,124	2,599

BIRTHS: TEENS 10-17 YEARS OF AGE

Resident births to mothers 10 to 17 years of age totaled 1,064 in 1998 (compared to 1,110 in 1997). Of the births to mothers 17 years old or less in 1998, 177 (or 16.6%) were white; and 887 (83.4%) were nonwhite. This compares to 180 white and 930 nonwhite births to mothers age 10-17 in 1997.



Out of wedlock births to mothers ages 10-17 totaled 1,022, or 96% of all births to mothers in this age group. One hundred and forty-five (145) of these births were to white teenagers (representing 81.9% of births to white teenage mothers in the age group); and 877 of these births were to nonwhite adolescents (98.8% of the births to nonwhite adolescents who are 17 years old or less).

Figure 6 shows the number of teen births in age group 10-17 for the years 1992-1998. There continued to be a downward trend in the number of teen births from 1,175 births in 1994 to 1,064 in 1998 or a reduction of approximately 9% over the 5 year period.

- **HEALTHY PEOPLE 2000 Objective:**

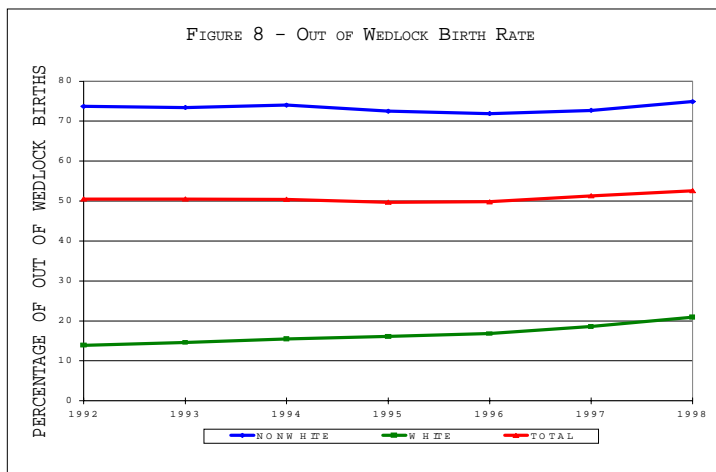
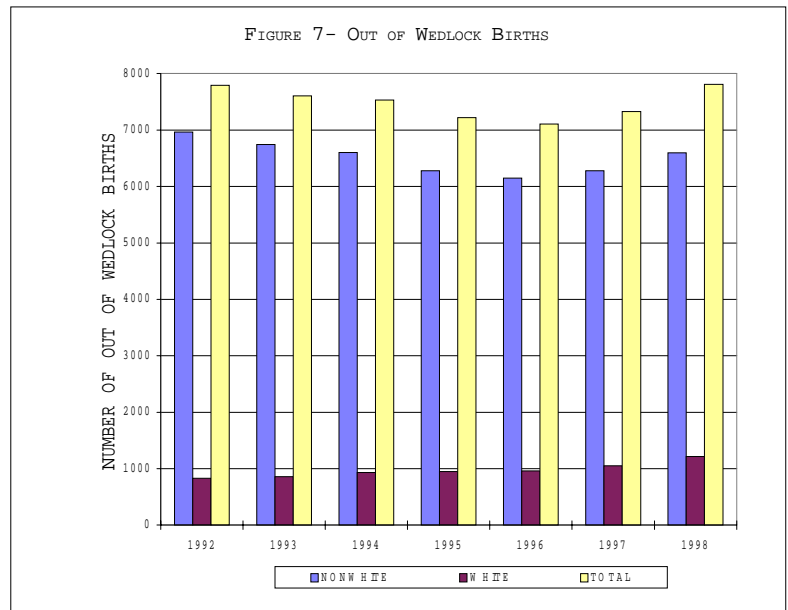
Reduce pregnancies among teenage girls age 17 and younger to no more than 50 per thousand adolescents.

- **SHELBY COUNTY INDICATOR:**

20.9 births per 1,000 adolescents (age 17 and younger)

OUT OF WEDLOCK BIRTHS

Shelby County had a total of 7,811 out-of-wedlock births in 1998 (7,329 in 1997). This is an increase of 482 out-of-wedlock births (approximately 7%). These 7,811 out-of-wedlock births represent a total of 52.5% of all county births. White out-of-wedlock births numbered 1,215 and were 20.9% of all white births (1,049 in 1997). Nonwhite out-of-wedlock births numbered 6,596



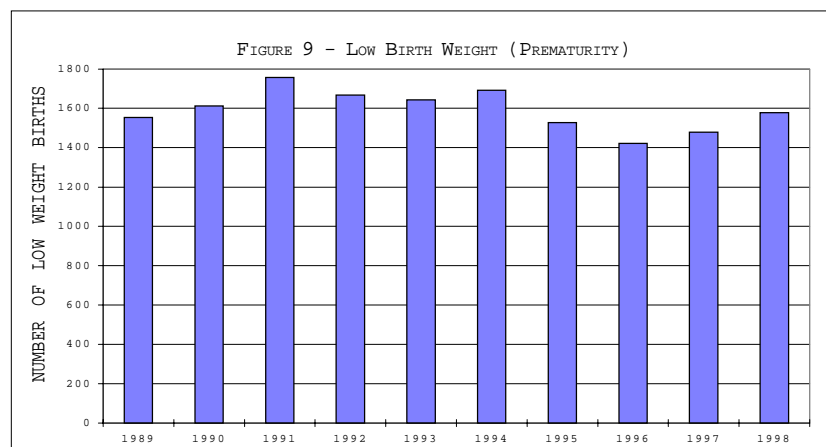
and were 72.9% of all nonwhite births (6,280 in 1997) (see figure 8).

Figure 7 shows the number of out-of-wedlock births for the period 1992-1998. There is an upward trend in both the white and nonwhite populations. The largest increase occurred in the white population, there were 959 white out-of-wedlock births in 1996 and 1,215 in 1998 an increase of 256

births (27% increase) compared to a 7% increase in the nonwhite population.

LOW BIRTH WEIGHT (PREMATURITY)

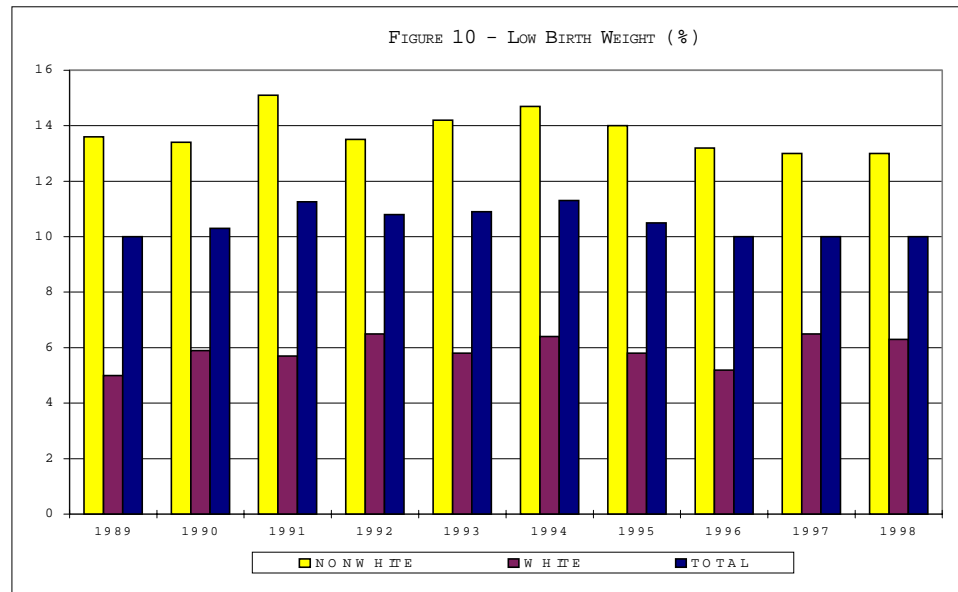
Low birth weight is defined as any baby weighing less than 5.5 pounds or 2,500 grams at birth. The number of resident low birth weight babies born in 1998 was 1,578 (1,479 in 1997). This represents 10.6% of all resident live births. This is an increase of



99 low birth weight babies (approximately 7%) over 1997. White babies totaled 364 (23%) of all prematurities and 6.5% of all white babies were low birth weight. Nonwhite babies totaled 1,214 (77%) of all prematurities and 13% of all nonwhite babies were low birth weight.

Figures 9 & 10 show the number and percentages of low birthweight babies for the period of 1989-1998. Fluctuations occurred throughout the entire period with peaks in 1991 and 1994. Slight increases in the number of low birth weight babies occurred during the last two years, 1997

and 1998 (approximately 11%). However, the percentage of low birth babies according to race remained approximately the same.

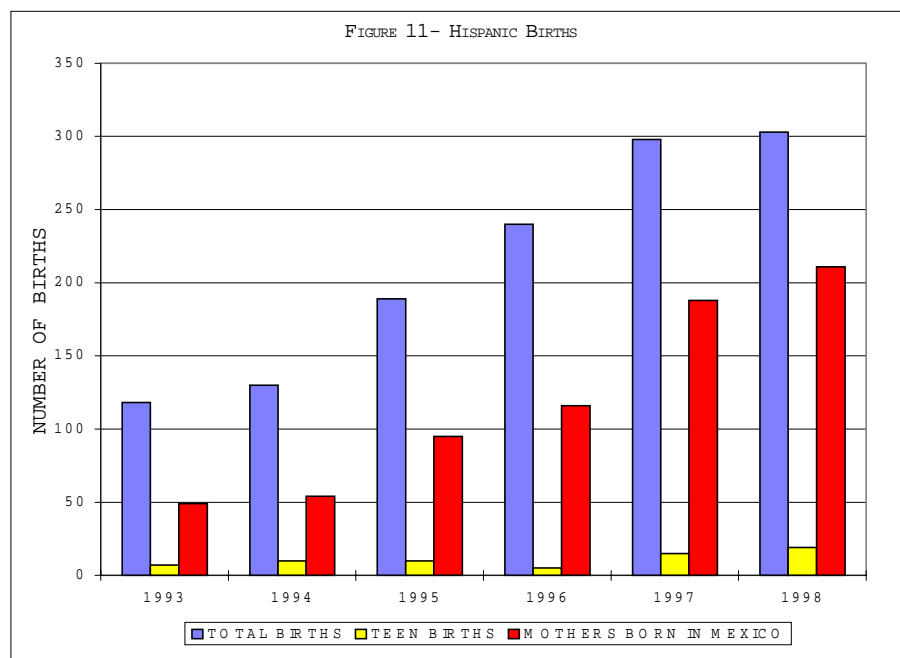


HISPANIC BIRTHS

There are no reliable estimates on the Hispanic population in Shelby County, therefore rates of birth per 1,000 population were not calculated.

Shelby County resident live births to Hispanic mothers totaled 313 in 1998 (298 in 1997). This is an increase of 15 births (approximately 5%). Resident births to mothers who list their birthplace as Mexico totaled 211 in 1998 (188 in 1997). This is an increase

of 23 births (approximately 12%).



From a trend perspective, during the period 1993-1998, resident Hispanic births increased from 118 in 1993 to 313 in 1998 or approximately 165%. During the same period resident births to mothers who list their place of birth as Mexico increased from 49 in 1993 to 211 in 1998 or approximately 330%.

HISPANIC BIRTHS (continued)

FIGURE 12

	1993	1994	1995	1996	1997	1998
RESIDENT BIRTHS	118	130	189	240	298	313
NON RESIDENT BIRTHS	13	19	15	21	24	31
TOTAL HISPANIC BIRTHS	131	149	204	261	322	344

HISPANIC TEEN BIRTHS 10-17 YEARS OF AGE

Resident births to Hispanic mothers age 10-17 totaled 19 (compared to 15 in 1997). This represents 6% of all Hispanic births. Teen births to Hispanic mothers in Shelby County accounted for approximately 6% of all births to Hispanic mothers in 1993, 8% in 1994, 5% in 1995, 2% in 1996, 5% in 1997 and 6% in 1998.

FIGURE 13

<u>HISPANIC TEEN BIRTHS MOTHERS AGE 10-17</u>						
AGE	1993	1994	1995	1996	1997	1998
10-14	1	0	1	0	1	4
15-17	6	10	9	5	14	15
TOTAL	7	10	10	5	15	19

INFANT MORTALITY

Resident Shelby County infant deaths in 1998 totaled 198 (176 in 1997). This resulted in an infant mortality rate of 13.3 (12.3 in 1997). There were 38 white infant deaths in 1998 (compared to 25 in 1997), resulting in a white infant mortality rate of 6.6 (4.4 in 1997). There were 160 nonwhite infant deaths in 1998 (151 in 1997), resulting in 1998 nonwhite infant mortality rate of 17.7 (17.5 in 1997).

Figure 10 shows the number of resident infant deaths and infant death rates for the period 1990-1998. The general trend indicates a decrease in the number of infant deaths and the infant death rates. The pattern of change in the birth

FIGURE 14 - INFANT MORTALITY

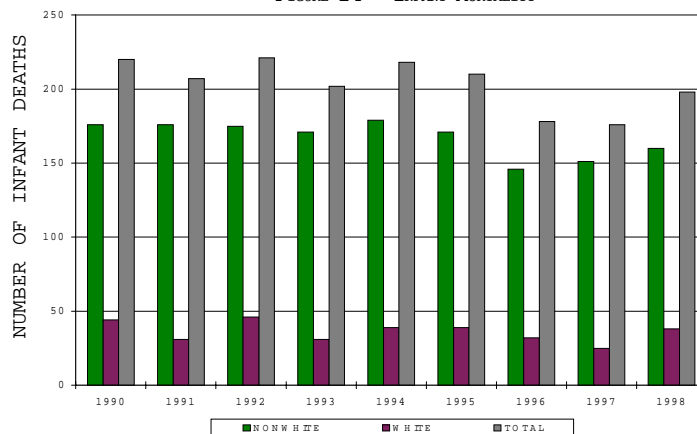
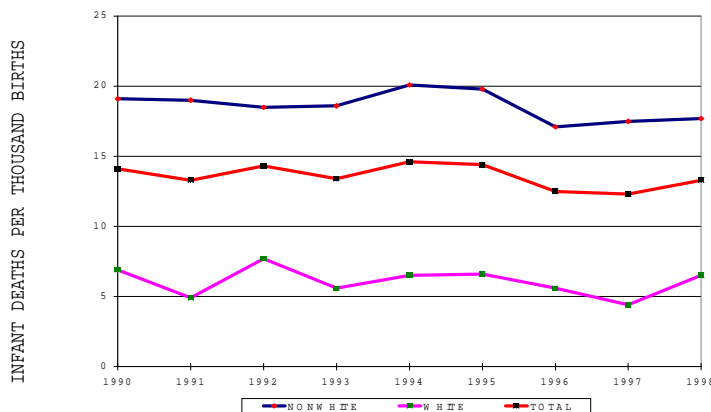


FIGURE 15 - INFANT MORTALITY RATE



INFANT MORTALITY (continued)

- **HEALTHY PEOPLE 2000 Objective:**

Reduce infant mortality rate to no more than 7 deaths per 1,000 live births. Special population target: Blacks: 11 deaths per 1,000 live births.

- **SHELBY COUNTY INDICATORS:**

Infant Mortality Rate: 13.3 infant deaths per 1,000 live births

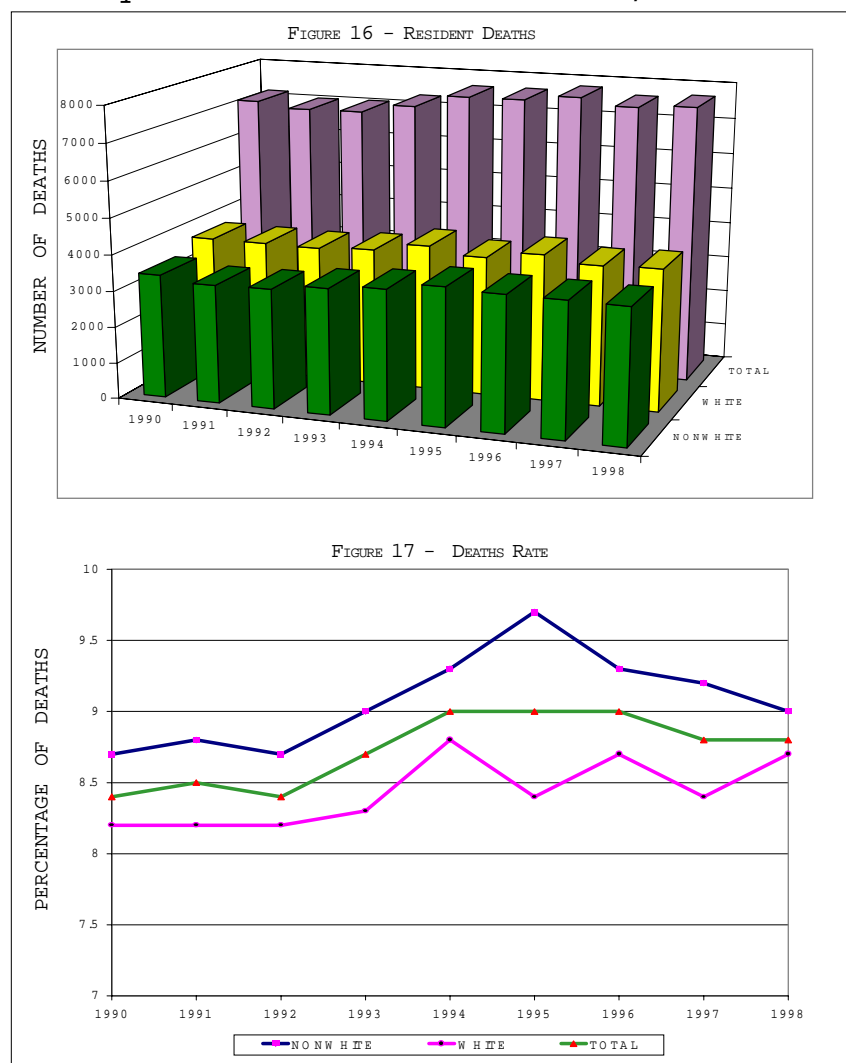
Nonwhite Infant Mortality Rate: 17.7 infant deaths per 1,000 live births.

rates for both the white and nonwhite population have been similar throughout this period. However, there were slight increases in the infant death rate from 12.3 in 1997 to 13.3 in 1998.

RESIDENT DEATHS

Shelby County resident deaths in 1998 totaled 7,610 (7,585 in 1997). This is an increase of 25 deaths from 1997. The total number of resident county deaths resulted in a county death rate of 8.8. There were 3,917 white deaths resulting in a white death

rate of 8.4. This is an increase of 44 white deaths (approximately 1%). There were 3,693 nonwhite deaths resulting in a nonwhite death rate of 9.0. This is a decrease of 19 nonwhite deaths (approximately 0.5%). Including nonresidents, there were 9,888 deaths in Shelby County in 1998.



LEADING CAUSES OF RESIDENT DEATH - 1998

Numbers in parenthesis indicates the leading cause of death according to race.

RANK CAUSE OF DEATH	WHITE		NONWHITE		TOTAL	PERCENT
1 Heart Disease	1,276	(1)	1,161	(1)	2,437	32..0
2 Malignancy Cancer	914	(2)	793	(2)	1,707	22.0
3 Cerebrovascular Disease (Stroke)	284	(4)	315	(3)	599	8.0
3 Respiratory including Pneumonia, Influenza and Emphysema	417	(3)	182	(4)	599	8.0
4 Accidents and Adverse Condition	156	(5)	142	(6)	298	4.0
5 Endocrine System Diseases	84	(7)	160	(5)	244	3.2
6 Digestive System Diseases	126	(6)	96	(10)	222	3.0
7 Urinary System Diseases	75	(9)	97	(9)	172	2.3
8 Homicides	20	(13)	116	(7)	136	1.8
9 Mental Disorders	82	(8)	44	(13)	126	1.7
10. Conditions of the Perinatal Period	15	(14)	102	(8)	117	1.5
11. HIV (AIDS)	21	(12)	85	(11)	106	1.4
12. Septicemia	40	(11)	60	(12)	100	1.3
13. Suicides	70	(10)	27	(14)	97	1.1

SPECIFIC CAUSES OF RESIDENT DEATHS 1998

CAUSES OF DEATH	WHITE	NONWHITE	TOTAL
Malignancy - Digestive Organs & Peritoneum	221	241	462
Malignancy - Respiratory Organs	303	201	504
Malignancy - Bone, C. T., Skin & Breast	118	79	197
Malignancy - Genito-Urinary Organs	112	132	244
Malignancy - Other	60	58	118
Malignancy - Lymph- Hematopoietic Tissue	87	68	155
Malignancy Neoplasm of Lip, Oral Cavity	13	14	27
Endocrine System Disease	84	160	244
Mental Disorders	82	44	126
Nervous System Disease	87	57	144
Hypertensive Disease	62	497	559
Congestive Heart Failure	28	36	64
Ischemic Coronary Disease	782	441	1223
Cerebrovascular Disease (Stroke)	284	315	599
Respiratory- Pneumonia-Influenza-Emphysema	417	182	599
Digestive System Disease	126	96	222
Urinary System Disease	75	97	172
Conditions of Perinatal Period	15	102	117
Vehicle Accidents	60	57	117
Suicides	70	27	97
Homicides	20	116	136
HIV (AIDS)	21	85	106
All Other Causes	790	888	1,678
TOTAL	3,917	3,693	7,610

RESIDENT DEATHS (continued)

FIGURE 20

RESIDENT AVERAGE AGE AT DEATH						
SEX	WHITE		NONWHITE		TOTAL	
	1998	1997	1998	1997	1998	1997
Male	69.25	69.30	62.06	61.54	65.67	65.37
Female	77.40	76.60	69.21	68.42	73.65	72.85
Total	73.60	73.26	65.60	65.01	69.79	69.26

SUICIDES

There were 97 deaths of Shelby County residents due to suicide in 1998. The number of suicides represents an increase of approximately 11% over the 87 suicides in 1997. White suicide deaths totaled 70 or 72% of all suicides. Nonwhite deaths from suicides totaled 27 or 28% of all suicides. There was a significant increase in the number of suicides in the white male population, from 37 in 1997 to 55 in 1998, approximately 49%. The number of suicides in the black male population decreased from 27 in 1997 to 17 in 1998, approximately 37%. Suicides ranked 13th as the leading cause of death in Shelby County for 1998.

FIGURE 21

FIGURE 2

SUICIDES BY AGE GROUP, RACE, AND SEX										
AGE	CATEGORY	WHITE	FEMALE	WHITE	MALE	BLACK	FEMALE	BLACK	MALE	TOTAL
10-14		0		0		0		0		0
15-19		1		2		1		1		5
20-24		0		4		0		1		5
25-34		1		9		2		6		18
35-44		5		15		4		5		29
45-54		1		11		2		3		17
55-64		2		5		0		0		7
65-74		3		5		0		1		9
75-84		0		2		1		0		3
85+		2		2		0		0		4
TOTAL 1998		15		55		10		17		97
TOTAL 1997		16		37		7		27		87

- **HEALTHY PEOPLE 2000 Objective:**

Reduce suicides to no more than 10.5 per 100,000 people

- **SHELBY COUNTY INDICATORS:**

11.2 suicides per 100,000 residents

BREAST CANCER (FEMALE)

There were 146 deaths of Shelby County residents due to breast cancer in 1998. There were 132 breast cancer deaths in 1997. This is an increase of 14 deaths or approximately 11%. Significant increases were seen in the white female population from 62 in 1997 to 79 in 1998, approximately 27%. Decreases were seen in the black female population from 71 in 1997 to 65 in 1998, approximately 9%.

FIGURE 22

BREAST CANCER BY AGE AND RACE				
AGE CATEGORY	WHITE FEMALE	BLACK FEMALE	HISPANIC, ASIAN FEMALE	TOTAL
20-24	0	0	0	0
25-34	1	2	0	3
35-44	7	7	0	14
45-54	11	14	0	25
55-64	16	16	1	33
65-74	19	11	0	30
75-84	19	9	1	29
85+	6	6	0	12
TOTAL 1998	79	65	2	146
TOTAL 1997	61	71	0	132

AIDS/HIV DEATHS

During 1998, AIDS/HIV deaths to Shelby County residents numbered 106, a decrease of 22 or 17% under the 128 AIDS/HIV deaths in 1997. Deaths from AIDS/HIV rank as the 11th leading cause of death to Shelby County residents. The highest number of deaths due to AIDS/HIV occurred in the 35-44 age group, which numbered 43 deaths in 1998, down slightly from 47 deaths in 1997. The most significant decrease in the percentage of deaths from AIDS/HIV occurred in the nonwhite female population, with a decrease of 9 deaths or 30%. The only group that experienced an increase in AIDS/HIV deaths was the white female population which experienced 3 deaths in 1998 as opposed to none in 1997; 2 of these deaths were in the age group 35-44. The total number of AIDS/HIV deaths recorded in 1998, including nonresidents, was 118.

FIGURE 25

FIGURE 2.

AIDS/HIV DEATHS BY AGE GROUP, RACE AND SEX										TOTAL		
AGE	CATEGORY	WHITE	FEMALE	WHITE	MALE	NONWHITE	FEMALE	NONWHITE	MALE	FEMALE	MALE	TOTAL
0-4		0		0		0		1		0	1	1
5-14		0		0		0		0		0	0	0
15-24		0		0		2		0		2	0	2
25-34		0		4		9		19		9	23	32
35-44		2		8		7		26		9	34	43
45-54		0		5		1		11		1	16	17
55-64		0		1		1		4		1	5	6
65-74		1		0		1		2		2	2	4
75-84		0		0		0		1		0	1	1
85 +		0		0		0		0		0	0	0
TOTAL 1998		3		18		21		64		24	82	106
TOTAL 1997		0		19		30		79		30	98	128

HOMICIDES

There were 136 homicides in Shelby County during 1998 compared to 152 in 1997 for a decrease of 16 homicides or approximately 11%. Of the 136 homicides, 114 or 83% were in the black population. Of the 136 homicides, 102 or 75% were in the age group (15-44); 75 or 73.5 black males; 15 or 14.7% were black females; 9 or 8.8% were white males, 2 or 1.9% were white females; and 1 or 0.9% were of Hispanic or Asian origin. There was a significant decrease in homicides in the white population from 36 in 1997 to 20 on 1998, approximately 44%. However the number of homicides in the black population remained approximately the same: 113 in 1997 and 114 in 1998.

FIGURE 22

HOMICIDES BY AGE GROUP, RACE AND SEX								
AGE CATEGORY	WHITE FEMALE	WHITE MALE	BLACK FEMALE	BLACK MALE	HISPANIC FEMALE	HISPANIC MALE	TOTAL	
< 1	0	0	0	1	0	0	1	
1-4	0	2	3	0	0	0	5	
5-9	0	1	0	1	0	0	2	
10-14	0	0	0	1	0	0	1	
15-19	0	0	1	18	0	0	19	
20-24	0	1	8	16	0	1	26	
25-34	0	3	5	25	0	0	33	
35-44	2	5	1	16	0	0	24	
45-54	1	3	2	7	0	0	13	
55-64	1	1	1	7	0	1	11	
65-74	0	0	0	1	0	0	1	
75-84	0	0	0	0	0	0	0	
85+	0	0	0	0	0	0	0	
TOTAL 1998	4 (2.9%)	16 (11.8%)	21 (15.4%)	93 (68.4%)	0 (0%)	2 (1.5%)	136 (100%)	
TOTAL 1997	8	28	21	92	2	1	152	

- **HEALTHY PEOPLE 2000 Objective:**

Reduce homicides to no more than 7.2 per 100,000 population.

- **SHELBY COUNTY INDICATORS:**

15.3 homicides per 100,000 residents

1998 BIRTHS AND DEATHS BY CENSUS TRACT/RACE

CENSUS TRACT	BIRTHS			DEATHS		
	WHITE	NONWHITE	TOTAL	WHITE	NONWHITE	TOTAL
1	20	16	36	2	7	9
2	2	57	59	4	17	21
3	1	67	68	1	34	35
4	4	40	44	1	39	40
5	0	22	22	1	13	14
6	2	35	37	2	54	56
7	12	79	91	10	59	69
8	0	86	86	0	63	63
9	2	74	76	6	55	61
10	3	11	14	2	13	15
11	38	22	60	36	4	40
12	50	11	61	41	1	42
13	17	90	107	34	23	57
14	2	26	28	10	15	25
15	2	31	33	7	20	27
16	17	5	22	18	2	20
17	22	51	73	32	40	72
18	2	48	50	0	22	22
19	2	50	52	1	29	30
20	1	107	108	1	23	24
21	3	26	29	1	12	13
22	3	15	18	0	4	4
22.99	0	0	0	0	0	0
23	1	34	35	0	21	21
24	5	91	96	2	22	24
25	11	38	49	21	18	39
26	20	1	21	18	2	20
27	17	22	39	10	9	19
28	6	125	131	7	44	51
29	81	3	84	64	0	64
30	14	46	60	57	20	77
31	35	9	44	28	00	28
32	24	7	31	60	16	76
33	30	3	33	17	2	19
34	18	14	32	18	2	20
35	32	4	36	26	2	28
36	15	46	61	14	15	29
37	1	11	12	10	20	30
38	3	8	11	4	13	17
39	9	9	18	7	36	43
40	2	41	43	2	17	19
41	1	7	8	2	18	20
42	6	8	14	4	1	5

1998 BIRTHS AND DEATHS BY CENSUS TRACT/RACE

CENSUS TRACT	<i>BIRTHS</i>			<i>DEATHS</i>		
	WHITE	NONWHITE	TOTAL	WHITE	NONWHITE	TOTAL
43	4	1	5	5	1	6
44	3	8	11	0	7	7
45	0	45	45	0	21	21
46	4	51	55	3	13	16
47	0	48	48	3	51	54
48	0	17	17	0	16	16
49	1	50	51	2	23	25
50	1	89	90	0	25	25
51	0	2	2	0	7	7
52	1	5	6	0	5	5
53	1	102	103	2	95	97
54	2	33	35	1	32	33
55	0	76	76	1	64	65
56	2	83	85	5	69	74
57	1	59	60	1	68	69
58	0	52	52	2	31	33
59	1	83	84	2	61	63
60	1	30	31	1	46	47
61	0	17	17	1	10	11
62	3	57	60	4	54	58
63	14	29	43	16	19	35
64	3	19	22	4	20	24
65	0	42	42	2	37	39
66	15	19	34	9	8	17
67	2	107	109	2	90	92
68	0	70	70	2	52	54
69	2	65	67	2	39	41
70	20	45	65	12	22	34
71	19	18	37	22	14	36
72	47	4	51	34	2	36
73	11	9	20	73	5	78
74	41	6	47	24	2	26
75	1	26	27	2	39	41
76	0	0	0	1	0	1
77	0	2	2	0	0	0
78.10	3	67	70	2	63	65
78.20	5	149	154	10	99	109
79	2	145	147	9	52	61
80	31	45	76	38	18	56
81.10	2	95	97	2	30	32
81.20	1	108	109	10	47	57
82	12	88	100	24	20	44
83	47	25	72	53	7	60

1998 BIRTHS AND DEATHS BY CENSUS TRACT/RACE

CENSUS TRACT	<i>BIRTHS</i>			<i>DEATHS</i>		
	WHITE	NONWHITE	TOTAL	WHITE	NONWHITE	TOTAL
84	1	3	4	1	0	1
85	43	0	43	47	2	49
86	74	29	103	58	1	59
87	65	2	67	51	2	53
88	76	12	88	69	8	77
89	61	32	93	32	11	43
90	0	46	46	2	37	39
91	24	9	33	30	1	31
92	70	4	74	72	1	73
93	55	5	60	62	0	62
94	31	2	33	47	1	48
95	83	1	84	80	2	82
96	41	0	41	57	1	58
97	21	15	36	24	2	26
98	37	5	42	39	2	41
99	97	140	237	56	12	68
100	17	112	129	32	30	62
101.10	26	175	201	41	27	68
101.20	36	137	173	36	19	55
102.10	5	126	131	20	23	43
102.20	30	115	145	42	30	72
103	1	35	36	0	9	9
104.10	2	6	8	3	4	7
104.20	1	8	9	2	3	5
105	22	102	124	25	30	55
106.10	34	105	139	23	17	40
106.20	5	81	86	7	14	21
106.30	31	124	155	9	21	30
107.10	16	38	54	27	10	37
107.20	24	37	61	22	6	28
108.10	20	87	107	28	14	42
108.20	12	32	44	18	14	32
109	10	71	81	14	6	20
110.10	17	62	79	29	12	41
110.20	6	64	70	3	7	10
201	77	48	125	29	16	45
202.10	67	20	87	25	12	37
202.20	51	25	76	26	11	37
203	75	24	99	35	11	46
204	27	16	43	2	0	2
205.10	34	127	161	44	29	73
205.20	44	226	270	27	31	58
205.30	79	73	152	65	14	79
205.40	89	100	189	54	7	61

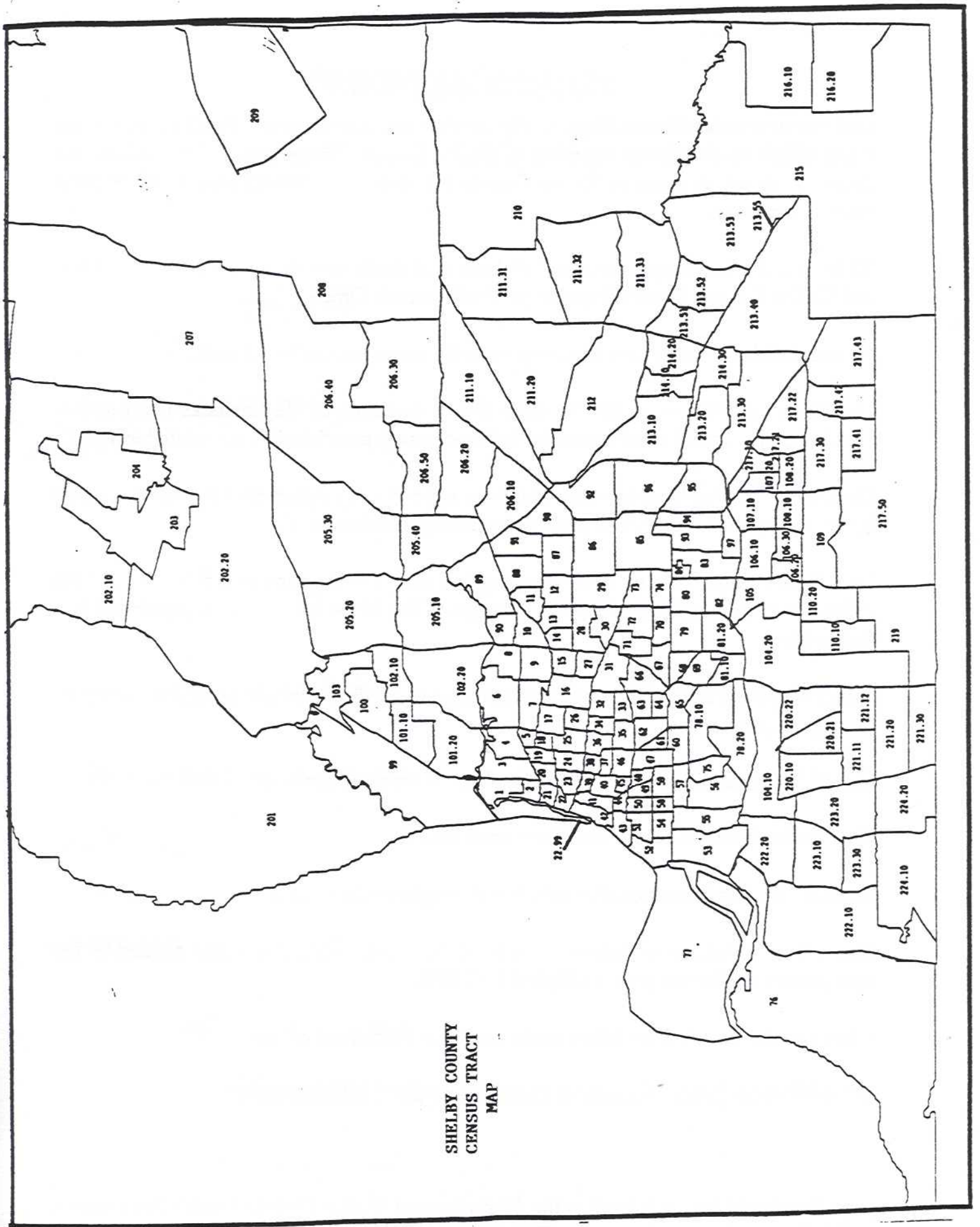
1998 BIRTHS AND DEATHS BY CENSUS TRACT/RACE

CENSUS TRACT	<i>BIRTHS</i>			<i>DEATHS</i>		
	WHITE	NONWHITE	TOTAL	WHITE	NONWHITE	TOTAL
206.10	40	17	57	23	2	25
206.20	120	36	156	66	6	72
206.30	166	10	176	59	4	63
206.40	195	27	222	55	13	68
206.50	98	17	115	69	4	73
207	15	6	21	13	7	20
208	139	27	166	43	19	62
209	10	12	22	7	3	10
210	48	10	58	29	5	34
211.10	248	38	286	50	7	57
211.20	266	52	318	77	28	105
211.31	291	33	324	58	8	66
211.32	82	15	97	27	3	30
211.33	119	14	133	89	3	92
212	1	0	1	5	9	14
213.10	54	8	62	38	3	41
213.20	62	5	67	63	3	66
213.30	110	36	146	81	10	91
213.40	80	18	98	33	3	36
213.51	61	5	66	26	1	27
213.52	52	4	56	19	1	20
213.53	39	1	40	11	2	13
213.55	1	0	1	0	0	0
214.10	27	3	30	14	0	14
214.20	27	3	30	21	1	22
214.30	32	2	34	26	1	27
215	163	22	185	52	3	55
216.10	184	18	202	50	3	53
216.20	22	40	62	12	6	18
217.10	15	36	51	6	3	9
217.21	30	57	87	32	12	44
217.22	65	76	141	128	8	136
217.30	55	137	192	12	18	30
217.41	56	63	119	18	11	29
217.42	68	84	152	21	8	29
217.43	111	99	210	35	15	50
217.50	101	128	229	22	19	41
219	2	84	86	4	38	42
220.10	6	73	79	12	26	38
220.21	8	128	136	14	31	45
220.22	9	180	189	6	28	34
221.11	5	125	130	29	39	68
221.12	3	160	163	10	33	43
221.20	13	148	161	16	50	66

1998 BIRTHS AND DEATHS BY CENSUS TRACT/RACE

CENSUS TRACT	<i>BIRTHS</i>			<i>DEATHS</i>		
	WHITE	NONWHITE	TOTAL	WHITE	NONWHITE	TOTAL
221.30	10	117	127	17	28	45
222.10	2	116	118	3	63	66
222.20	4	79	83	1	67	68
223.10	1	141	142	3	69	72
223.20	1	134	135	4	66	70
223.30	3	108	111	5	47	52
224.10	11	72	83	0	0	0
224.20	1	162	163	11	71	82
225.98	0	0	0	4	58	62
226.98	0	0	0	0	0	0
227.98	0	0	0	0	0	0
999 *	0	0	0	6	6	12
TOTAL	5,808	9,054	14,862	3,917	3,693	7,610
* Census Tract Unknown						

SHELBY COUNTY
CENSUS TRACT
MAP



TECHNICAL NOTES

Vital events are classified in this report by resident and nonresident. "Resident" events are those which involve actual residents of Shelby County, Tennessee. "Nonresident" are those events which occur in Shelby County but involve individuals who reside in other states or counties.

All rates and percentages are based on birth and death records filed with the Memphis and Shelby County Health Department Vital Records Office.

All calculations in this report involving mortality measures are based on ICD -9 Codes.

Live Birth: A birth in which the child shows evidence of life (includes heart action, breathing, or a coordinated movement of a voluntary muscle) after complete birth.

Birth Rate: The total number of live births in a specific population for a given year divided by the total population for the year, multiplied by one thousand.

Low Birth Weight: A live birth weighing less than 2,500 grams or 5.5 lbs. Low birth weight percent is calculated as a percentage of live births for a specific population in a given year.

Out of Wedlock Birth: The total number of out-of-wedlock births in a specific population for a given year.

Out of Wedlock Birth Rate: Number of out of wedlock births per 1,000 live births.

Teen Births: Births to teenage mothers aged 10-17.

Deaths: The total number of deaths in a given population that occurs in a single year.

Death Rate: Number of deaths in a specific population for a given year divided by the total population for the year, multiplied by 1,000.

Infant Death: Death of an infant under one year (365 days) of age.

Infant Mortality Rate: Number of infant deaths per 1,000 live births.

Inquiries should be addressed to the Memphis and Shelby County Health Department, 814 Jefferson Avenue, Memphis, TN 38105. Telephone number is (901) 544-7608. Fax number is (901) 544-7610.